SAM (REX/Ops) Operations Meeting 2008.08.19

Adam (typist), Randolph, Eric, SteveS, Stan, Robert, Krzysztof, Art, Anil
Meeting time: 35

For reports submitted to the meeting...
The report text is in this font
Comments made during the meeting are in this font inline with the report

Releases:

Case insensitivity problem in 8.5.1 has been fixed in 8.5.2. Test has been added to catch this. Is deployed at D0. Angela deployed 8.4.5 on Friday to CDF production. Angela says that SteveW wants to fix the bad group ownership for files - Steve has to run a script to retroactively fix old entries - this can be run anytime so long as we don't forget.

DØ:

Aug. 12: The d0sam-admin mailing lists got blocked by the list serve spam filter
since it was "sending the same or very similar mail to multiple lists at the same time".
Shifter "Dag Gillberg" contacted helpdesk@fnal.gov
<wlmailhtml:%7B618BF154-B7D2-4B78-867E-3B4525817A4C%7Dmid://00000618/%21x-usc:mailto:helpdesk@fnal.gov>
and they fixed it. (DZSAM-208)

Aug. 13: A user's complaint made use realize a problem in the db server code about the Upper-lower
cases of the names of application combos. (DZSAM-209)

Aug. 15: Dataset Definition Editor started to refuse to work (DZSAM-215).

Unresolved issues :

DZSAM-216 : Joel Snow complained about : "OSG merging problem" --
checking whether this issue could be closed as
Joel had found that it's due to problems in the local machines.
Not verified that problem is due to local nodes at OUHEP (but Joel is probably in the air).

DZSAM-215 : Dataset Def. Editor (
http://d0db-prd.fnal.gov/sam_dataset_editor/cgi/editor.py) really
doesn't work.
Can an expert please help ?
Tomcat was hung and the normal sam_bootstrap procedure didn't work. Had to kill the

old Tomcat (this tomcat was not documented - fix docs).

DZSAM-214 : D0-9940B blank tape are now = 65 at the time of writing. The
shift instruction said that it shouldn't be < 100.
The info. is from http://d0om.fnal.gov/sam/DHAtAGlance/. I've helped
send an email to enstore-admin and
asked them whether this is a problem.
Recycling 9940As into 9940Bs - will get 100 more 9940Bs this week!

DZSAM-213 : "recycle tapes" --- almost done but asking whether the user
really wants to re-use the same filename.
*Herb had two LTO4 tapes with bad physics data. All files have been deleted. Waiting
on Herb to say if meta-data needs to be deleted.*

*NOTE: Grid production station is partially disabled due to move of d0srv071,72 to
GCC. Also moves take longer because most machines want to do a fsck upon reboot.
The fsck takes > 48 hours. Also networking problem added a delay.
BUT d0srv071 has had a fsck recently. 071 should be up tomorrow. 072 later.*

CDF:

Here's my SAM shift report for the last week.
It was a really really stable week, I've got almost nothing
to report actually.

-- Aug 14 --
Repeated emails from enstore@cdfensrv2n.fnal.gov
to cdfdh_oper@fnal.gov titled "Alarm raised"
The problem involved /export/data2 filesystem on fcdfdata106
according to Stephan Lammel.

Helpdesk responded to this problem by providing the following solution:
"The raid array at c2 u0 has been successfully rebuilt"

In the mean time, Angela removed the node fcdfdata106 from all
pool groups in order to stop the alarm messages
and then moved pools back into service after disk index was rebuilt.

-- Aug 18 --
A bad mover LTO3_10 was reported to enstore_admin.

*Working on commissioning LTO4s this week (enstore says the drives are ready).
Some confusion about use of 9940B at CDF. All is ok (no tapes used). See Volume
Audit under the Alarms page (may be moved in the future to some place more
obvious). New library name will be CDF-LTO4F1.library_manager*

MINOS:

General

Scaled up PARROT tests for analysis on FermiGrid,
causing a CAF attack on our calibration database.

Enstore -

DCache   -

SAM   -

How to select on EVENT_COUNT - is this a default dimension ?
Should we do "samadmin add dimension ... " for the rest of our metadata ?
  eventCount
  firstEvent
  lastEvent

  ...

*Can't select on event_count? Art tried to add to MINOS' development database -
seemed to work. Should work.*

Oracle   -

OPEN ISSUES

IT 1146: cannot test existence of sam tape location
IT 2071: quadratic project startup time growth

PLAN   -

Had a real "CAFAttack" and it worked.

DB:

D0 :
    - Analysis of SAM schema - Work-in-progress

CDF :

  - DB security patches on cdfofdev/cdfofint scheduled for Tuesday 19th Aug 9:30AM
  - Need to schedule DB Security patches on cdfofpr2.
Angela: There will be a big downtime in September or October - can do this then.

Alert(s):

Message=1 segments in SUPPORT_IDX_01 tablespace unable to extend.

Enstore/dCache:

Stken downtime 8:30 next Thursday for four hours. Will affect CDF writing into GCC libraries. pnfs/dCache will not be down.